现的连接生物。 1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1

BAKULEV, A.N.; STEPANYAN, Yo.P.

Relation between transminase and bacterial antihyaluronidase in the blood serum in mitral stenosis of rheumatic origin.

Grud. khir. 2 no.1:15-20 Ja-F '60. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov, nauchnyy rukovoditel! - deystvitel!nyy chlen AMN SSSR akademik A.N. Bakulev) AMN SSSR. Adres avtorov: Moskva, Leningkiy prosp., d.8; Inst tut grudnoy khirurgii AMN SSSR.

(TRANSAMINASES) (ANTIHYALURONIDASE) (MITRAL VALVE—DISEASES)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653220011-0"

STEPANYAN, Ye.P.; KOLESNIKOV, S.A.

你是,我们们的的数据是分别并经过的"多数的数据的数据"是我们的国际性格。这些的经济是为此的国际的企业,但是这种企业,可以由于1000人为外,可以由于1000人的

Interrelation of heparin and tissue antihyaluronidase in the blood serum of patients with mitral stenosis of rheumatic etiology. Grud. khir. 2 no.1:37-43 Ja-F 160. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.A. Busalov, nauchnyy rukovoditel! - akademik A.N. Bakulev). Adres avtora: Moskva, Leninskiy prosp.,d.8, Institut grudnoy khirurgii AMN SSR.

(ANTIHYALURONIDASE) (HEPARIN) (MITRAL VALVE—DISEASES)

BEREZOV, Yu.Ye.; STEPANYAN, Ye.P.; IAPIN, M.D.

在一个大型,这种大型,不是一个大型,这种大型,就是一个大型,这个大型,这个大型,这个大型,这个大型,这个大型,这个大型,不是一个大型,不是一个大型,不是一个大型

Postoperative thrombi and thromboembolism in patients with cancer of the cardia and esophagus. Grud. khir. 2 no.6:91-99 N-D '60. (MIRA 14:1)

1. Iz otdeleniya zabolevaniy pishchevoda (zav. - doktor meditsinskikh nauk Yu.Ya.Berezov) i biokhimicheskoy laboratorii (zav. - doktor biologicheskikh nauk Ye.P.Stepanyan) Instituta grudnoy khirurgii (dir. - prof. S.A.Kolesnikov, nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR. Adres avtorov; Moskva, Leninskiy prospekt, d. 8, Institut grudnoy khirurgii AMN SSSR.

(ALIMENTARY CANAL—CANCER)
(EMBOLISM) (ANTICOAGULANTS (MEDICINE))

CIA-RDP86-00513R001653220011-0

BAKULEV, A.N., akad.; STEPANYAN, Ye.P., doktor biolog.nauk; MURATOVA, Kh.N., kand.med.nauk

Some biochemical changes in patients with chronic coronary insufficiency and myocardial infarct before and after bilateral ligation of the internal mammary arteries. Khirurgita 36 nc.10: 8-15 0 160. (MIRA 13:11)

1. Iz Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel - akad. A.N. Bakulev) AMN SSSR.

(CORONARY HEART DISEASE) (BREAST—BLOOD SUPPLY) (BLOOD)



BAKULEV, A.F.; STEPANYAH, Ye P., doktor biol. nauk (Moskva)

Correlation between glutamine transaminase and antihyaluronidase
in the blood serum in mitral stenosis. Klin.med. 38 no.3:34-40
(MIRA 16:7)
Mr. 160.

(GLUTAMINE TRANSAMINASE) (ANTIHYALURONIDASE)
(MITRAL VALVE—DISEASES)

KONTOULICY, A., STEFANYAN, Ye. P.

经过多数运输的计算实现的数据,并还是的经验的对抗性的数据,但是不是是不是的对抗性的,但是不是是不是不是不是不是不是不是不是不是不是不是不是不是不是不是不是不是

"Ltat de la cocgulablite sanguine et de la fibricolyse dans le diognostic de thromboses et d'hemorhogies lars l'interventions chirugicales cardiaques"

Report submitted for the fourth Intl. Congress of Angiology Prague, Czech, 3-9 Sep 61

STEPANYAN, Ye. P.; MOSKALENKO, Yu. D.; KOSORUKOVA, N. Ya.

《全部主义思想,我们就是我们的一个人,我们就是我们的人,我们就是我们的人的人,我们就是我们的人的人,我们就是我们的人的人,我们就是我们的人的人,我们就是我们的人

Prevention of thromboembolic complications in lung cancer. Grud. (MIRA 15:2) khir. no.5:89-94 '61.

1. Iz biokhimicheskoy laboratorii (zav. - doktor biologicheskikh nauk Ye. P. Stepanyan) i otdeleniya zabolevaniy legkikh (zav. - doktor meditsinskikh nauk N. I. Gerasimenko) Instituta grudnoy khirurgii (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) AMN SSSR. Adres avtorov: Moskva, Leninskiy prosp., d. 8. Institut serdechno-sosudistoy khirurgii AMN SSSR.

(LUNGS_CANCER) (EMBOLISM)

STEPANYAN, Ye. P.; SMIRENSKAYA, Ye. M.

作。 一个,不是我们就是我们的一个,可以不是,他们就是我们的一个,我们就是我们的,我们就是这个人的,你们就是我们的,你就是这个人,你们还是不会不会,不是这个人的,不是

Changes in some components of blood coagulation in patients who have suffered massive hemorrhage of the terminal state. Grud. khir. 4 no.1:41-48 Ja-F 162. (MIRA 15:2)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S. A. Kolesnikov; nauchnyy rukovoditel - akad. A. N. Bakulev) Adres avtorov: Moskva, Leninskiy prosp., d. 8. Institut serdechnososudistoy khirurgii AMN SSSR.

(BLOOD—COAGULATION) (HEMORRHAGE)
(DEATH, APPARENT)

KOLESNIKOV, S. A., prof.; (Moskva, pr. Mira, d. 103, kv. 155; STEPANYAN, Ye. P., doktor biol. nauk

Some blood coagulation factors in mitral defects of the heart of rheumatic etiology. Vest. khir. no.2:3-6 62. (MIRA 15:2)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S. A. Kolesnikov, nauchnyy rukovod. - akad. A. N. Bakulev)

(MITRAL VALVE_DISEASES) (BLOOD_COAGULATION)
(RHEUMATIC HEART DISEASE)

STEPANYAN, Ye. P., prof.; PRIVALENKO, M. N.; PETROSYAN, M. V.

是这些人,我们就是我们的一个,我们就是我们的一个,我们就是我们的一个,我们就是我们的一个,我们就是我们的一个,我们就会一个,我们会会一个,我们会会一个,我们就是

Simultaneous determination of three streptococcal antibodies — antistreptokinase, bacterial antihyaluronidase and antistreptolysin-0 — in the blood serum in acquired heart defects. Khirurgiia no.2:13-18 62. (MIRA 15:2)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) AMN SSSR.

(RHEUMATIC HEART DISEASE) (ANTISTREPTOLYSINS) (ANTIHYALURONIDASE) (ANTISTREPTOKINASE)

SMOL'NIKOV, V. P.; STEPANYAN, Ye. P.; KUPRIYANOV, S. S.; KRAMARENKO, L. Ye.

Inversion of the symptomatology in curarization. 3ksper. khir. i anest. no.2:62-66 162. (MIRA 15:6)

1. Iz laboratorii anesteziologii (zav. - kandidat meditsinskikh nauk V. P. Smol'nikov) i laboratorii biokhimii (zav. - doktor biologicheskikh nauk Ye. P. Stepanyan) Instituta grudnoy khirurgii (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) AMN SSSR.

(MUSCLE RELAXANTS)

KOLESNIKOV, S.A.; STEMANYAN, Ye.P.

State of blood coagulation and fibrinolysis in the diagnosis of

thrombosis and hemorrhages in surgical interventions on the heart. Grud.khir. no.4:39-43 J1-Ag '62. (MIRA 15:10)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel! - akad. A.N.Bakulev) AMN SSSR. Adres avtorov: Moskva, B-49, Leninskiy prosp., d. 8. Institut serdechno-sosudistoy khirurgii AMN SSSR.

(HEART __SURGERY)
(THROMBOSIS)
(HEMORRHAGE)
(FIBRINOLYSIS)
(BLOOD COAGULATION)

KOLESNIKOV, S. A., prof.; STEPANYAN, Ye. P.; SMIRENSKAYA, Ye. M.

Increased hemorrhagic diathesis after operations performed under artificial blood circulation. Probl. gemat. i perel. krovi no.8: 40-45 '62. (MIRA 15:7)

1. Iz laboratorii biokhimii (zav. - prof. Ye. P. Stepanyan), klinicheskoy fiziologii (zav. - prof. A. G. Bukhtiyarov)
Instituta serdechno-sosudistoy khirurgii (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev)
AMN SSSR.

(HEMOPHILIA) (BLOOD-CIRCULATION, ARTIFICIAL)

STEPANYAN, Ye. P., prof.; MERKUR'YEVA, R.V.

是在**社区包括各项目的**定式的**有效的工程的有一个企业工程中,**这位用于政策的关键,这些人们的实现,是不是不是一个企业的工程的,不会不同的一个一个企业和企业,不同

Electrophoretic and chromatographic analysis of glycoporoteins in the blood serum of patients with defect of the mitral valve. Terap. arkh. 34 no.10:84-89 0°62 (MIRA 17:4)

1. Iz biokhimicheksoy laboratorii (zav. - prof. Ye.P. Stepan-yan) Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov) AMN SSSR; nauchnyy rukovoditel' - akademik A.N. Bakulev.

s/020/62/147/005/032/032 B144/B186

AUTHORS:

Stepanyan, Ye. P., Merkur'yeva, R. V., Geselevich, Ye. L.

TITLE:

Experimental study of metabolic acidosis in deep hypothermia

PERIODICAL:

Akademiya nauk SSSR. Doklady, v. 147, no. 5, 1962, 1250-1252

TEXT: Since narcosis with hypothermia produces often metabolic acidosis, it was important to clear up the role of hypothermia in itself. This was done by determining in heart, brain, skeletal muscles and suprarenal glands of narcotized dogs (temperature in the mediastinum 10°C) the contents of lactic, pyruvic and ascorbinic acids, the glycolysis, the content of protein and its fractions, the blood viscosity, the electrolytes, the pH, and the blood sugar. The tests were conducted in 3 groups: blood circulation interrupted for 30 min (I); for 60 min (II); for 30 min followed by warming to 37°C (III). Results: (I) The lactic acid content dropped in heart and suprarenal glands and increased in brain and muscle. Glycolysis changed in the same sense with exception of the muscle. (II) Marked increase of lactic acid content and glycolysis in heart and brain. (III) Maxima of both levels in the brain. In the Card 1/2

STEPANYAN, Ye.P., prof.; MERKUR YEVA, R.V., mladshiy nauchnyy sotrudnik

Significance of determining glucoproteins, mucoproteins, glucosamine and diphenylamine review of the blood serum of patients with mitral heart defect. Kardiologiia 5 no.2: (MIRA 17:2)

1. Iz biokhimicheskoy laboratorii (zav. - prof. Ye.P.Stepanyan) Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S.A. h. and the professor rukovoditel - akademik A.N.Bakulev).

PASPANTAN, Years to 11 Wich, Years Fone blichemical changes in the blood during artificial blood diriulation. Vest. AMN FoSK 16 no.2.41-46 63.

1年已经,于最大学进步发现建筑设置,他们不可能进程的国际通过,如此**的国际和国际的是对**自然的是一种的

(MIRA 17:7)

i. institut sardechnowsosudistoy knimirgii AMN SSSR.

STEPANYAN, 4. P. AID Nr. 976-1 24 May

TISSUE RESPIRATION AND ADENOSINETRIPHOSPHATASE ACTIVITY INDOGS IN DEEP HYPOTHERMIA (USSR)

Stepanyan, Ye. P., R. V. Merkur'yeva, and Ye. L. Geselevich. Byulleten' eksperimental'noy biologii i meditsiny, v. 55, no. 3, Mar 1963, 45-48.

S/219/63/055/003/001/001

A study was made on the effects of deep hypothermia on the tissue respiration and adenosinetriphosphatase activity in the brain, heart, adrenals, and skeletal muscles of mongrel dogs. Extracorporeal cooling to 10°C in the mediastinum and subsequent warming of the hypothermic animals by means of an apparatus filled with blood at 0°C and 37°C, respectively, was completed in 10 to 15 min. Three series of experiments were conducted. The blood circulation was arrested for 30 min in series (I) and for 60 min in series (II) in series (III) the animals were rewarmed to normal temperature after a 30-min circulatory arrest. Deep hypothermia caused marked changes in the tissue respiration, particularly in the brain tissue, manifested by diminished consumption of oxygen (17% of the normal) and reduced excretion of carbon dioxide (12.5% of the normal); profound disturbances in the decarboxylation

Card 1/2

AID Nr. 976-1 24 May

TISSUE RESPIRATION [Cont'd]

s/219/63/055/003/001/001

processes were noted. The activity of adenosinetriphosphatase in all tissues, particularly in the brain tissue, was reduced by deep cooling. Changes in tissue respiration were almost identical in series I and II. Enzyme activity in the cardiac and skeletal muscles was affected by the length of the circulatory arrest (it was more inhibited by the 60-min arrest in series II). The changes in the enzyme activity in the brain tissue were almost identical in series I and II. Rewarming of the hypothermic animals and incubation of the cooled tissues at 37°C increased the tissue respiration and adenosinetriphosphatase activity in all tissues. The data obtained show that changes induced by deep hypothermia are reversible.

Card 2/2

STEPANYAN, Ye.P.; BUKHARIN, V.A.; CHERNYAVSKAYA, M.A.

Investigation of catechol amines in various organs of dogs under conditions of deep hypothermia. Biul. eksp. biol. i med. 56 no.9: 56-61 S '63. (MIRA 17:10)

1. Iz biokhimicheskoy laboratorii (zav. - prof. Ye.P. Stepanyan) i otdeleniya vrozhdennykh perokov (zav. V.I. Burakovskiy) Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.I. Bakulev) AMN SSSR. Predstavlena deystvitel'nym chlenom AMN SSSR A.I. Bakulevym.

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 ACCESSION NR: AP4007549 S/0020

S/0020/63/153/006/1458/1460

AUTHOR: Stepanyan, Ye. P.; Chernyavskaya, M. A.

TITLE: Ascorbic acid and catechol amines in experimental deep hypothermia

SOURCE: AN SSSR. Doklady*, v. 153, no. 6, 1963, 1458-1460

TOPIC TAGS: ascorbic acid, catechol amine, deep hypothermia, tissue ascorbic acid content, tissue catechol amine content, deep hypothermia effect, hypothermia, pyrocatechol amine derivative, adrenaline, body temperature.

ABSTRACT: Despite considerable progress in deep hypothermia during surgery, the influence of hypothermia on metabolic processes has been but scantily studied and the data are contradictory. Since the functional state of the adrenal glands can be evaluated by the presence of ascorbic acid (AA) and catechol amines, experimental work in this direction was undertaken under the direction of Prof. S. A. Kolesnikov. Surgical work was done by V. I. Burakovskiy and V. A. Bukharin with G. A. Ryabov acting as anesthetist. Dogs used for the

Card 1/3

L 8769-65

ACCESSION NR: AP4007549

tests were cooled to +10C in the mediastinum by means of artificial blood circulation. The latter was stopped for various periods of time (30-60 min), whereupon the temperature was raised to 37C. It was found that after 30 min stoppage of blood circulation, AA content decreased in all tissues and increases in the blood. Most marked is its drop in the adrenal glands. After 60 min the drop is less pronounced, probably due to adaptation; in the adrenal glands the AA content increases to as high as 148.25 mg-% (normal 108.6 mg-%) and drops in the blood. With rising temperature the AA content increases above its initial levels. 15 min after stoppage of blood circulation, a decrease of AA and catechol amines in blood is observed. The assumption is made that AA somehow participates in the hormone synthesis of both cortical and medulla of the adrenal gland. Normalization of indices inthe body after cooling shows the changes during deep hypothermia to be temporary, reversible processes. Orig. art. has: 2 figures.

ASSOCIATION: Institut serdechno-scsudistoy khirurgii Akad. Med. Nauk SSSR (Institute of Cardiovascular Surgery of the USSR Academy of Medical Sciences)

Card 2/3

L 8769-65 ACCESSION NR: AP4007549

SUBMITTED: 11May63 ENCL: 00

SUB CODE: LS NO REF SOV: 009 OTHER: 009

Card 3/3

STEPANYAN, Ye. P.; TAMARKINA, E.D.; POSPELOTA, Ye.F.

THE LEAD BUILDING HEALTH AND THE PROPERTY OF T

Significance of determining creatine phosphokinuse for the early diagnosts of myocardial infarct. Kardiologiia 4 no.42 27:30 Jl-Ag 1 64 (MIRA 19:1)

1. Biokhimicheskaya laboratoriya (zav. - prof. Ye.P. Stepanyan) i sosudistoye otdeleniye (zav. - prof. Yu. Ye. Berezov) Instituta serdechno-sosudistoy khirurgii (direktor - prof. S.A. Kolesnikov; nauchovy rukovoditel - akademik A.N. Bukulev) AMN SSSR, Moskva. Submitted august 15, 1963.

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Effect of artificial blood circulation during rolerate hypothermia on the factors of the blood circulation during rolerate hypothermia in patients with acquired heart acfects. Grud. khir. 6 no.e:16.40 N-P *6A. (MISC 19:7)

1. Institut serdechno-s addistoy khirurgii (direktor - prof. G.A. Kolesnikov; nauchnyy phrooditel* - akademik A.H. Bakulev) ANN SORR, Moskva. Adres autorov: Moskva V-A9, Leninchly prosp. d.9, Institut serdechn - Josudistoy khirurgii.

1 39433-65 ACCESSION NR: AP5007668

s/0020/65/160/006/1434/1436,2

Stepanyan, Ye. P.; Geselevich, Ye. L.; Pospelova, Me. P.; B AUTHOR:

Bakulev, A. N.

TITLE: Investigation of oxidative phosphorylation in heart muscle

under artificial blood circulation conditions

SOURCE: AN SSSR. Doklady, v. 160, no. 6, 1965, 1434-1436

TOPIC TAGS: dog, oxidative phosphorylation, heart, muscle, heart stoppage, induced hypothermia, artificial blood circulation, oxygen intake, adenosine triphosphate

ABSTRACT: Oxidative phosphorylation changes were investigated in heart muscle of dogs after prolonged stoppage of the heart in two experimental series. In both series, experimental animals were anesthetized and stoppage of the heart and coronary perfusion of 60 min duration were conducted under artificial blood circulation. first series was staged under moderate hypothermic conditions with heart stoppage induced by cold, and the second series was staged under normal temperature conditions with heart stoppage injuced

Card 1/3

L 39433-65

ACCESSION NR: AP5007668

electrically. Control animals in the first group were killed immediately after anesthesia, and control animals in the second group were killed after 1 hr of anesthetization combined with a thoracotomy and cannulation. Oxidative phosphorylation was determined in heart muscle tissue before and after incubation. Oxygen intake was measured by Warburg's manometric method. The incubation mixture consisted of a potassium-phosphate buffer 1/15 M, MgCl2 0.01 M, and succinate 0.04 M. The phosphate acceptor system consisted of adenosine triphosphate 0.01 M, glucose 0.01 M, and hexokinasu 2 mg for an incubation mixture of 2 ml and a tissue suspension of 400 mg. Incubation time was 20 min. Oxygen intake, inorganic phosphorus level, and the phosphorus-oxygen ratio served as indices. triphosphatase activity in the tissue and adenosine triphosphate in the blood were also determined. Findings show that oxidative phosphorylation in heart muscle, after prolonged stoppage of the heart and with artificial blood circulation, is reduced under conditions of moderate hypothermia and normal temperature. No correlation was found between decrease in oxygen intake and phosphorylation as observed in the control groups. Adenosine triphosphatase activity was also significantly reduced, with the reduction higher under Card 2/3

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L 39433-65

ACCESSION NR: AP5007668

conditions of moderate hypothermia than under normal temperature. Results indicate that despite coronary perfusion, prolonged stoppage of the heart with artificial blood circulation leads to significant changes of energy exchange processes in the heart muscle and this may contribute to malfunctioning of myocardium contraction. Orig. art. has: 2 figures.

ASSOCIATION: Institut serdechno-sosudistoy khirurgii Akademii meditsinskikh nauk SSSR (Institute of Cardiovascular Surgery of the Academy of Medical Sciences SSSR)

SUBMITTED: 05Jun64 ENCL: 00 SUB CODE: LS

NR REF SOV: 007

OTHER: 005

Card 3/3/16

CTEPANYAN, Ye.P.; LYSENKO, V.B.; GRIGOR'YAN, B.G.

Study of carbohydrate components of mucopolysaccharides in the aorta wall in the process of atherosclerosis development. Dokl. AN SSSR 161 no.1:251-252 Mr '65. (MIRA 18:3)

1. Institut serdechno-sosudistoy khirurgii AMN SSSR. Submitted June 9, 1964.

STEFANYAN, Ye.P.; BARKAN, I.N.

Polarographic study of the respiration and phosphorylation in mitochondria of the myocardium under the effect of ether narcosis and lystenome. Dokl. AN SSSR 165 no.2:457-460 N '65.

(MIRA 18:11)

1. Institut serdechno-sosudistoy khirurgii AMN SSSR. Submitted December 30, 1964.

DZ.AFALOV, G.H., kand.tekhm.kuk; SDERGOV, Ye.I., kand.tekhm.nauk; ST.FALYAY, Ye.S., inzh.; AKOM.DOVA, G.A., inzh.

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Porous ceramic tiles for the drainage of saline soils. Gidr. i hel. 13 no.1:32-39 Ja '61. (Min. 14:2)

l. Azərbaydzhanskiy nanchmo-isələdovatəliskiy institut gidmeteldiniki i melioratsii.

(Azərbaijan—Draintiles)

STEPANYAN, Z.A.

"The Growing Role of People in the Social Development of Socialism."

Report presented at the 5th World Congress of Sociology, Washington, D.C., 2-8 Sep 62.

 STEPANYAN, Z.A.

*Transition of Underdeveloped Republics of the U.S.S.R. from Feudalism to Capitalism.**

Report presented at the 5th World Congress of Sociology, Washington, D.C., 2-8 Sep 62.

CONTRACTOR ANAMONY A. N.

并**注证例外的次码法等在可以用证的表示。在对**的问题的知识的对数据的对数据的知识的可能是可以完全的。这些思想可能的证明的可能是否并是一个证明的证明的。

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SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

36916. DELOUSOV, V., STALAN AN-TARAKANOVA, A. i PA ALA TOV, Ye. Cpyt lecheniya prolezhney i lan pantokrinom. V. sb: Nevrologiya voyen. Vrenv ni. t. II. N., 1949, c. 326-26.

30: Letopis' Znurmal'nykh Statey, Vol. 50, Moskva, 1949

STEPANYAE-PARAKANOVA, A. E.

STEIANYAN-TARAKANOVA, A. M. - "raumatic Disorders of the Spinal Cord."
Sub 28 Nov 52, Acad Med Sci USSR. (Dissertation for the Degree of Doctor in Médical Sciences).

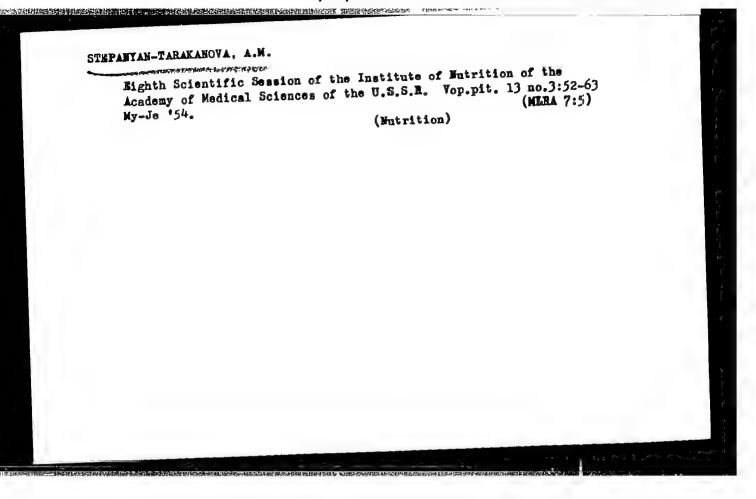
SO: Vechernaya Moskva January-December 19.2

CTEPAN'YAH-PARAKAHOVA, A. M.

"Consideration of the Problem of Mutrition at the Eight Session of the Academy of Medical Sciences USSR", Voprosy Piteniya, Vol XIII, No 2, 1954, pp 57-59

Trans

M-124, 24 Jan 55



STEPANYAN-TARAKANOVA, A.M., doktor meditsinskikh nauk

Recent progress in the field of nutrition. Vest. AMN SSSR no.3: (MLRA 8:11)

1. Iz instituta pitaniya (dir.--chlen-korrespondent AMN SSSR prof. O.P.Molchanova) AMN SSSR (NUTRITION.
in Russia)

USSR/Medicine - Nutrition

FD-3303

Card 1/1

Pub. 141 - 18/19

Author

: (Reported by Stepanyan-Tarakanova, A. M.)

Title

: IX Scientific session of the institute of nutrition, acad of medical

sciences, USSR

Periodical

: Vop. pit., 49-60, Jul/Aug 1955

14 NO.4

Abstract

: The above session was held from 28 January to 3 February 1955. Over 500 scientific workers from Moscow, Leningrad, Kiev, Minsk, the far east, and the various soviet republics attended. A representative of Korean medical science (Professor Tsoy Yn-Sek) was also present. Many papers were presented on various subjects of nutrition. Great emphasis was placed on studying the effect of qualitatively varying nutrition on the conditioned reflex activity of animals, on metabolism, and on the func-

tional status of organs in the system. No references.

Institution :

Submitted

STEPANYAH-TARAKANOVA, A.M.; TARAKANOV, Ye.I.; KARPMAN, V.L., redaktor; EREZANOVSKAYA, L.Ya., redaktor; YUSFINA, N.L., tekhnicheskiy redaktor.

[Metabolism and nutrition] Obmen veshchestv i pitanie. Moskva, Gos. isd-vo kml'turno-prosvetitel'noi lit-ry, 1956. 44 p.(Bibliotechka v pomoshch' lektoru, no.6) (MERA 9:6) (METABOLISM) (NUTRITION)

STEPANYAH-TAKAMUVA, A.M., doktor med.nauk

Current problems in mutrition; results of the tenth session of the Institute of Mutrition of the Academy of Medicine of the U.S.S.R. Vest.AMM SSSR 11 no.4:66-74 '56. (MIRA 12:10)

(NUTRITION)

MAKARYCHEV, A.I., TONGUR, V.S.; STEPANYAN-TARAKANOVA, A.M.; BRAKSH, T.A.; CHUDINOVSKIKH, A.V.

等的。这个人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人,我们也是一个人的人,我们也不是一个人的人,我们也不是一个人的人,我们

Study of the physiological effect of low calory diets containing a minimum amount of proteins and a normal amount of vitamins and salts. Voppit. 15 no.4:18-22 Jl-Ag '56. (MIPA 9:9)

1. Iz Instituta pitaniya AMN SSSR, Moskva.

(DIETS, exper.

minimal calories & normal content of salts & vitamins, eff. on man under normal work load)

(VITAMINS, eff.

normal content in diets with minimal calories & normal content of salts, eff. on man under normal work load)

(SAITS, eff.

normal content in diets with minimal calories & normal content of vitamins, eff. on man under normal work load)

STEPANYAN-TARAKANOVA, A.M., doktor meditsinskikh nauk

Messures for improving nutrition of the population of the Soviet
Union. Vest. AMN SSSR 12 no.3:79-86 '57. (MIRA 10:8)

1. Institut pitaniya AMN SSSR
(NUTRITION)

也可以在一个人,也不是是一个人的,也是是一个人的,也是一个人的,他们就是一个人的,我们就是一个人的,我们就是一个人的。

STEPANYAN-TARAKAHOVA, A.M., doktor med.nauk, GOLUBEVA, L.Ya., kand.biol.nauk ZIKEYEVA, V.K., (Moskva)

Role of the nervous system in the pathogenesis of various forms of obesity and the changes produced by medical diet. [with summary in English]. Problendok. i gorm. 4 no.4:52-64 Jl-Ag '58 (MIRA 1114)

1. Iz otdeleniya bolezney obwena veshchestv (zav. - prof.
M.N. Yegorov) kliniki lechebnogo pitaniya (zav. - prof. F.K. Men'shikov)
i laboratorii vysshey nervnoy deyatel'nosti (zav. - prof. A.I.
Makarychev) Instituta pitaniya AMN SSSR (dir. - chlen-korrespondent
AMN prof. O.P. Molchanova).

(OBESITY, etiol. & pathogen.

NS disord., speical diet ther. (Rus))
(NERVOUS SYSTEM, dis.

in obesity, speical diet. ther. (Rus))
(DIETS, in various dis.

obesity caused by NS disord. (Rus))

STEPANYAN-TARAKANOVA, A.M., doktor wed.nauk

Further development of the nutrition problem in the U.S.S.R. and the people's democracies. Vent.AMN SSSR 13 no.6:60-70 '58 (MIRA 11:7)

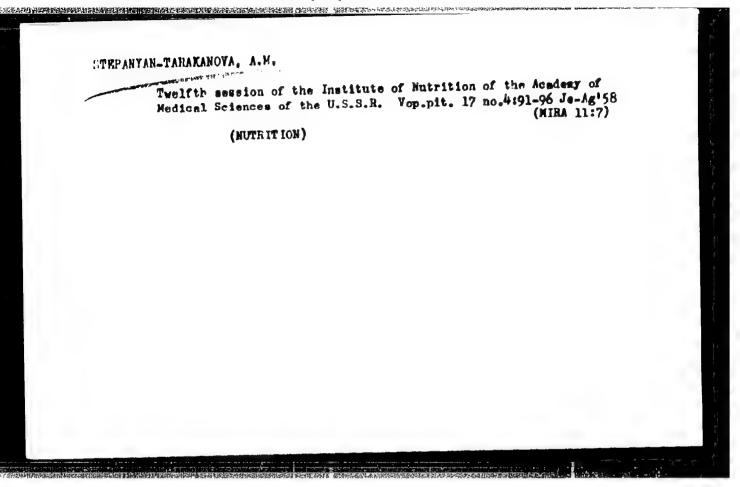
(NUTRITION

in Russia & satellites, review (Rus))

STEPANYAN-TARAKAHOVA, A.M.(Moskva) Heuro-endocrine forms of adiposis and the role of nutrition [with summary in Mnglish]. Vopr.pit. 17 no.1:32-38 Ja-F '58, (MIRA 11:4) 1. Iz Instituts pitaniya AMN SSSR, Moskva. (OBSITY, etiol. & pathogen. brain & endocrine dis., dietetic ther. (Rus)) (DIETS, in ver, dis. obesity caused by brain & endocrine dis. (Rus)) (BRAIN, diseases, causing obesity, dietetic ther. (Rus)) (ENDOCRINE DISEASES, complications obesity, dietetic ther. (Rus))

STEPALIYAH-TARAKAHOVA. A.M.

Conference of the Institute of Nutrition of the Academy of Medical Sciences of the U.S.S.R. devoted to the 40th anniversary of the Great October Socialist Revolution. Vop.pit. 17 no.2:85-87 Mr-Ap '58. (NUTRITION) (MIRA 11:4)



STEPANYAN-TARAKANOVA, A.M., doktor med.nauk

Current problems in nutrition. Vest. AMN SSSR 14 no.9:85-94 *59.

(NUTRITION)

STEPANYAN-TARAKANOVA, A.M.; GOLUBEVA, L.Ya.; ZIKEYEVA, V.K.; KURTSIN', O.Ya.
TIKHOMIROVA, A.N.; MASLENIKOVA, Ye.M.; SOROKIN, G.Ye.;
ZAKHARYCHEVA, A.A.

Effect of combined therapy on patients with the cerebroendocrine form of obesity. Vop. pit. 18 no. 6:16-24 N-D '59. (MIRA 14:2)

1. Iz Instituta pitaniya AMN SSSR, Moskva. (CORPULENCE) (GLUTAMATES) (CORTISONE)

SPITSYAN, A.; STEPAN'YANTS, A.

Electronic musical instrument. Radio no.3:44-47 Mr '63. (MIRA 16:2) (Musical instruments, Electronic)

STEPANYANTS, A. V. Dr. Tech. Sci.

Dissertation: "Theory and Practice of Openins Petholeum Beds." Moscow Order of the Labor Red Panner Petroleum Inst., imeni Academician I. M. Gubkin, 17 Jun 47.

SO: Vechernyaya Moskva, Jun, 1947 (Project #17836)

SERDIY, A.G., redaktor; STEPANYANTS, A.K., professor, redaktor; TIKHO-'MIROV, A.A., kandidat ekonomichenkikh nauk, redaktor; VINOGRADOV, V.N., redaktor; CHKRNOZHUKOV, N.I., professor, redaktor; SHCHEL -KACHEV, V.N., professor, redaktor; CHARYGIN, M.M., professor, redaktor; DUNAYEV, F.F., professor, redaktor; KUZMAK, Ye.M., professor, redaktor; MURAV'YKV, I.H. professor, redaktor; GUREVICH, V.H., redaktor; MURATOVA, V.H., redaktor, POLOSINA, A.S., tekhnicheskiy redaktor.

[Sixth scientific and technical conference, 1951] Shestaia nauchno-tekhnicheskaia konferentsiia, 1951. Moskva, Gos.nauchno tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry, 1952, 214 p. (HLRA 8:10)

1. Hoscow. Moskovskiy neftiancy institut. Nauchnoye studencheskoys obshchestvo.

(Petroleum geology)

大大型**的种性的复数比较地位的运动的种种政治的现在形式的**的特殊的现在分词,但是是不是一种的特殊的,但是不是是是一种的一种,这种人们们们是一个一个一个一个一个一个

SERDIY, A.G., redaktor; TIKHGMIROV, A.A., kandidat ekonomicheskikh nauk, redaktor; STEPANYANTS, A.K., professor, redaktor; VIHOGRADOV, V.N. redaktor; CHERNOZHUKOV, N.I., professor, redaktor; SHCHELKACHEV V.N., professor, redaktor; CHARYGIN, M.M. professor, redaktor; KUZMAK, Ye.M., professor, redaktor; MURAV'YEV, I.M. professor, redaktor; GUREVICH, V.M., redaktor; MURATOVA, V.M., redaktor; TROFIMOV, A.V., tekhnicheskiy redaktor.

[Seventh scientific and technical conference, 1952] Sedimeia nauchno-tekhnicheskaia konferentsiia, 1952. Moskva, Gos.nauchno tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry, 1953. 171 p.

(MLRA 8:10)

1. Moscow. Moskovskiy neftiancy institut. Nauchnoye studencheskoye obshchestvo.

(Petroleum Geology)

ZHIGACH, K.F., professor, redektor; STEPANYANTS, A.K., professor, redaktor; TIKHOMIROV, A.A., kandidat ekomomicheskikh nauk, redaktor; KARAPETYAN, R.O., kandidat filosoficheskikh nauk, redaktor; CHERNOZHUKOV, N.I., professor; YERSHOV, P.R., redaktor; GUREVICH, V.M., redaktor; MURAV'YEV, I.M., professor, redaktor; SHCHELKACHEV, V.N., professor, redaktor; CHARYGIN, M.M., professor, redaktor; DUNAYEV, F.F., professor, redaktor; KUZMAK, Ye.M., professor, redaktor; POLOSINA, A.S., tekhnicheskiy redaktor.

[Ninth scientific and technological conference of 1954]Deviataia nauchno-tekhnicheskaia konferentsiia 1954. g. Moskva, Gos. nauchno-tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry. 1955. 205 p. [Microfilm] (HLRA 8:9)

1. Moscow. Moskevskiy neftianoy institut. Nauchnoye studencheskeye obshchestvo.
(Geology) (Petroleum)

5(4) AUTHORS

Utyanskaya E Z Stepanyanta, A U Vinoik M. I. Charker W M. SOV/20 124 5-38/62

TITLE :

The Calculation of the Farction of Acidity and the Molecular Composition of Hydrofluoria Acid From the Data of the Muslear Magnetic Resonance of F¹⁹ (Raschet funktari kisiotnosti i milekalyarango sestava plavikovoy kisloty po dannym yadernogo

magnithers revenance F 19

PERIODICAL

Doklady Akademii nauk SSSR 1959, Vol 124; Nr 5 pp 1095 1098

(USSR)

ABSTRACT.

Hammet" s function of acidity is measured by means of the inditator method and amounts to $\mathcal{X}_{c} = \lg a_{H^{+}}(f_{RH^{+}})$. Here f_{R} and τ_{BH}^{-1} denote the coefficients of the activities of the

ionized and not ionized forms of the indicator; $\mathbf{a}_{H\pm}$ - the proton

activity in the given medium. In the aqueous solutions of HF there are the following kieds of equilibrium. HF == H + F (2); $HF + F = \pi HF_2$ (5); $K_1 = a_{E} + a_{F} / a_{HF}$ (4); $K_2 = a_{HF} / a_{HF} a_{F}$ (5).

Card 1/3

The Calculation of the Function of Acidity and the SOV/20-124-5~38/62 Molecular Composition of Hydrofluoric Acid From the Data of the Nuclear Magnetic Resonance of F¹⁹

Here $K_1 = 6.09 \cdot 10^{-4}$ and $K_2 = 2.695$ denote the constants of equilibrium expressed in activities. From the dissociation equation (4) of hydrofluoric acid there follows. ig $a_{H^{+}} = -ig K_{1} = ig (a_{F}/a_{HF})$. If the quantities $K_{1} = a_{HF}$ and mr. are known it is possible to calculate the acidity function The Fer the purpose of determining quantitative results enecerning the composition and the addity of concentrated aqueous acluinons of HF the authors carried out measurements of the chemical shifts of the rescnance of F19 in aqueous solutions of hydroflutric acid of different concentrations. For the themical shift to be observed and also for a system consisting of several interacting components expressions are written down. The chemical shift to be observed is of the order of magnitude (5.95 to 6.05):10'4 for the various concentrations of hydrofluoric acid. In order, therefore to be able to determine the acidity function with an accuracy

Card 2/3

The Calculation of the Punction of Abidity and the SOV/30 124-5-38/62 Molecular Composition of Hydr. fluctic Alid Foundthe Data of the Fucisar Magnetic Resonance of ${\bf F}^{(9)}$

是一个大学的,我们就是一个大学的,我们就是一个大学的人,我们就是一个大学的人,我们就是一个大学的人,我们就是一个大学的人,他们就是一个大学的人,他们就是一个大学 第一个大学的人,我们就是一个大学的人,我们就是一个大学的人,我们就是一个大学的人,我们就是一个大学的人,我们就是一个大学的人,他们就是一个大学的人,他们就是一个大

of .000% in size escary to know the observable chemical about with an accuracy of .0.03 to 4. Measurements were carried out in a page-tic field of .0.3 300 cersted. In the course of these describents a saw rooth modulation of the magnetic main field was used. The results obtained by measurements are shown by a table and by a diagram. At consentrations of up to 30 % the variations of the chemical shift are within the limits of measuring errors. The results obtained by calculating molecular composition and the accidity function are shown by tables and diagrams. There are 4 figures 2 tables and 9 references.

ASSOCIATION:

Institut khimtsheskey fiziki Akademii nauk SSSR (Institute

of Chemical Physics of the Academy of Sciences USSR)

PRESENTED:

Outcher 29 1958 by W. N. Roudrat yas, Atademician

SUBMITTED.

October 32, 1958

Card 3/3

9,6000 (1163 ONLY) 5.5800 (1043, 1273, 1282)

20700 \$/120/61/000/001/038/062 E032/E114

AUTHORS:

Bystrov, V.F., Dekabrun, L.L., Kil'yanov, Yu.N.,

Stepanyants, A.U., and Utyanskaya, E Z.

TITLE:

A High-Resolution Nuclear Magnetic Resonance Apparatus

PERIODICAL: Pribory i tekhnika eksperimenta, 1961, No. 1, pp. 122-125

The resolution of NMR spectrometers is determined (a) uniformity of the constant magnetic by the following factors; field over the volume of the specimen; (b) stability of the constant magnetic field in time; and (c) frequency stability of the radio-frequency magnetic field. In the NMR spectrometer described in the present paper a resolution of 10^{-7} was achieved, which means that all the above factors remain constant to within The apparatus has been used to record spectra of 1 in 107. substances containing hydrogen and fluorene luclei. shifts and the spin-spin interaction constant can be measured to an accuracy of better than 10%. The spectrometer incorporates a specially designed permanent magnet producing a field of 4530 oe. The magnet has the following features: (a) closed yoke, ensuring maximum rigidity; (b) fine and continuous adjustment of Card 1/5

X

20700 \$/120/61/000/001/038/062 E032/E114

A High-Resolution Nuclear Magnetic Resonance Apparatus

the parallelism of the working surfaces of the pole-pieces; (c) special coils are located on the poles and are used to modulate and adjust the field; (d) the gap length is 3.2 cm and the diameter of the working surface of the pole-pieces is 22 cm. In order to achieve a highly uniform magnetic field the pole pieces have a thickness of 6 cm and are specially annealed in a hydrogen atmosphere. The working surfaces are plane to within \pm 0.5 μ . The relative nonuniformity of the magnetic field in the central region does not exceed 2 x 10^-6 over a volume of 1 cm 3 . Fig. 2 shows the magnetic field chart in the central part of the The probe is illustrated in Fig. 3. The substance under investigation is placed in the thin-walled glass ampoule 3 is rotated at a rate of 10 000 rpm by a small air turbine. ampoule is held in position by the perspex rotor turbine. The lower end of the ampoule is centred by a tellon bush 6 and rests on the perspex plate 7. The body of the probe 5 is made from red copper. The coil is wound on the perspex former The oscillator is quartz stabilized and works on the 3rd Card 2/ 5 3

20700

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A High-Resolution Nuclear Magnetic Resonance Apparatus

harmonic of the mechanical oscillations of the quartz resonator. Detailed circuits of the quartz oscillator and various amplifiers etc. are given. Fig.5 shows a typical spectrum obtained for ethyl alcohol. The volume of the specimen was 4 mm³ and the time taken to record the spectrum was 50 sec. In general, the volume of the specimen lies between 4 and 15 mm³. Acknowledgements are expressed to K.V. Vladimirskiy for valuable advice. There are 5 figures and 8 references: 1 Soviet and 7 non-Soviet.

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR (Institute of Chemical Physics, AS USSR)

SUBMITTED: February 2, 1960

Card 3/8

 AFANAS YET, V.A.; BYSTROV, V.F.; DEKABRUN, L.L.; KUL YANOV, Yu.N.; STEPANYANTS, A.U.

Multipurpose spectrometer of nuclear magnetic resonance. Zav.lab. 28 no.1:102-103 '62. (MIRA 15:2)

1. Institut khimicheskoy fiziki AN SSSR. (Spectrometer)

BYSTROV, V.F.; YAGUPOL'SKIY, L.M.; STEPANYANTS, A.U.; FIALKOV, Yu.A.

6 -Constants of substituents with a trifluoromethyl group. Dokl. AN SSSR 153 no.6:1321-1324 D 163. (MIRA 17:1)

1. Institut khimicheskoy fiziki AN SSSR. Predstavleno akademi-kom V.N. Kondrat'yevym.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653220011-0"

YACUPOLISKIY, L.M.; BYSTROV, V.F.; STEPANYANTS, A.U.; FIALKOV, Y.A.

Effect of the substituents with a trifluoromethyl group on the reactivity of aromatic compounds. Zhur. ob. khim. 34 no.11: 3682-3690 N *64 (MIRA 18:1)

1. Institut organicheskoy khimii AN UkrSSR i Institut khimi-cheskoy fiziki AN SSSR.

PYSTRO. T.F.; SIDEADYANTS, A.U.; MUROMOV, V.A.

Structure of chemical compounds studied by means of nuclear momentic resonance spectra. Fort 4:Adducts of substituted cycloper odienes with maleic anhydride and their derivatives. Zhur. ob whim. 34 no.12:4039-4046 D 164 (MIRA 18:1)

1. Institut khimisehskoy fiziki AN SSER i Institut organichoskoy khimil AN SSER.

BYSTROV, V.F.; NEYMYSHEVA, A.A.; STEPANYANTS, A.U.; KNONYANTS, I.L., akademik

实现的实现的对抗,但是这种,可是是这种的主义的,但是是是一种的主义的,但是是是一种的一种的。

Additive relations for chemical shifts in magnetic resonance spectra on F nuclei of fluophosphates and fluophosphonates. Pokl. AN SSSR 156 no. 3:637-640 164. (MIRA 17:5)

l. Minstitut khimicheskoy fiziki AN SSSR i Voyennaya akademiya khimicheskoy zashchity.

ORDA, V.V.; YAGUFOLISKIY, L.M. [IAhupolisikyi, L.M.]; BYSTROV, V.F.; STEPANYANTS A.U.

Transmission of the induction effect of SCF3 - SCCF3 and SO2CF3 substituents through the methylene group. Dop. AN URSR no.3:345-348 '65. (MIRA 18:3)

1. Institut organicheskoy khi-ii AN hrs.R.

BYSTROV, V.F.; STEPANYANTS, A.U.; MIRONOV, V.A.

Structure of chemical compounds as determined by nuclear magnetic resonance spectra. Part 17: Structure of some derivatives of bicyclo (2,2,1) heptane. Zhur.org.khim. 1 no.2:294-296 F 165.

(MIRA 18:4)

1. Institut organicheskoy fiziki AN SSSR i Institut khimicheskoy fiziki AN SSSR.

ORDA, V.V.; YEWLOL'SKIY, I.M.; BYSTROV, V.F.; STEPANYANTS, A.U.

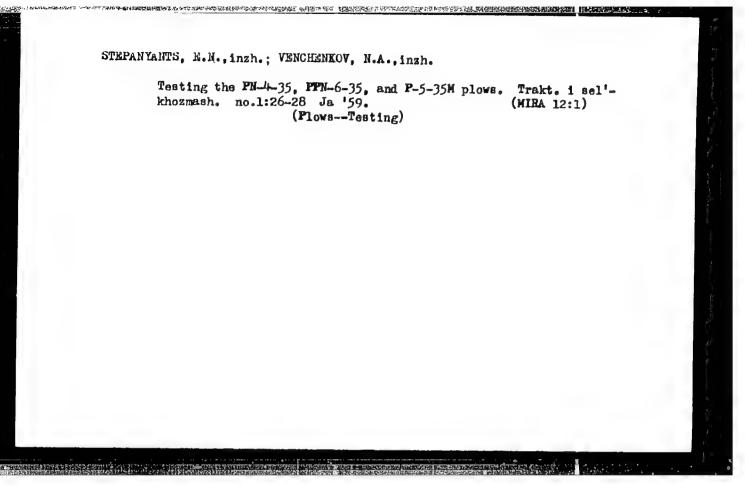
Fransmission of the induction effect of substituents SCF₃, SOCF₃, and SO₂CF₃ through a methylene group. Zhur. ob. khim. 35 no.9:1628-1636 S '65. (MIRA 18:10)

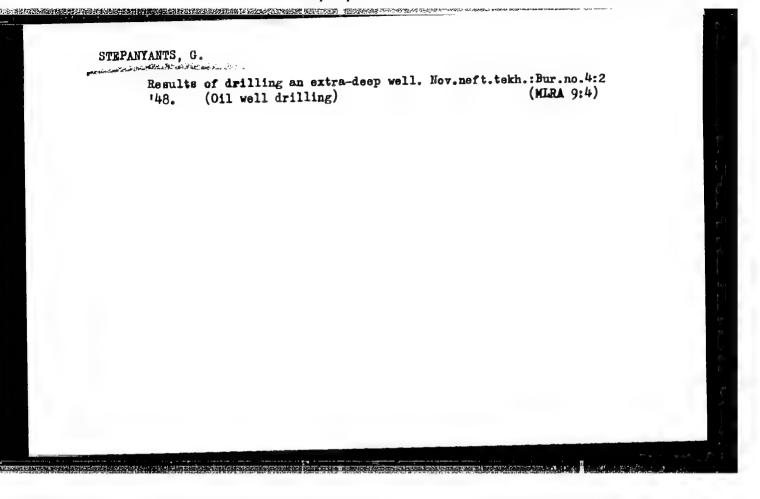
1. Institut organicheskoy khimii AN UkrSSR i Institut khimicheskoy fiziki AN SSSR.

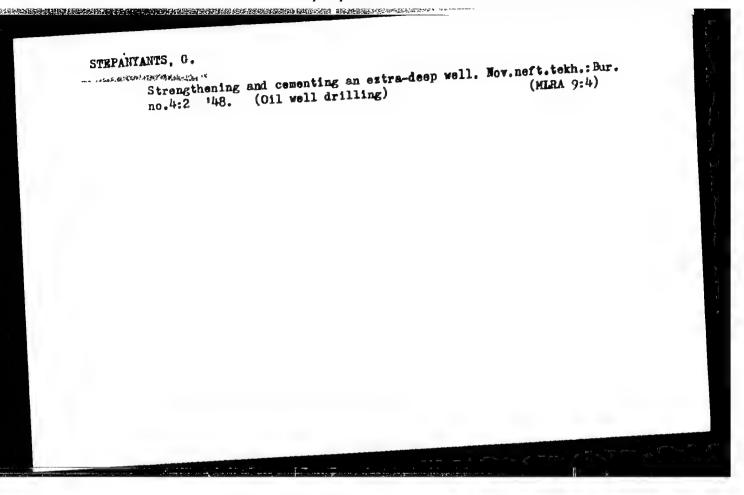
BRYSTROV. V.F.; KOSTYANOVSKIY, R.G.; PAN'SHIN, O.A.; STEPANYANTS, A.U.; UZHAKOVA, O.A.

Three-membered rings. Part 1. Opt. i spektr. 19 no.2: 217-228 Ag '65. (MIRA 18:8)

STEPANYANTS: E.N. Characteristics of the method for testing plows used without a moldboard. Sel'khozmashina no.4:19-20 Ap '56. (HLRA 9:7) 1.Sovero-Kavkazskaya MIS. (Plows)







s/535/61/000/139/007/009 E140/E435

13.2000 (1132)

Stepan'yants, G.A., Engineer

AUTHOR: TITLE:

On the investigation of correlation of random

quantities

SOURCE:

Moscow. Aviatsionnyy institut. rudy. no.139. 1961.

Voprosy avtomaticheskogo regulirovaniya dvizhushchikhsya ob"yektov. 129-133

Because of the difficulties of instrumenting the calculation of the correlation function the author introduces the concept of parity coefficient, which can be substituted for the correlation factor in many cases. The basic notion is that of the sign of deviation of random quantities from their mathematical expectation. This concept is represented by the coefficient XY, equal to the probability that the sign of the product x_{XY} , equal to the probability that the sign of the product $(x-x_{cp})(y-y_{cp})$ does not change and is given the + sign if the probability that the sign of this product is +1 is greater than 0.5. Thus

 $\xi_{xy} = P \{ sign | (x - x_{cp}) (y - y_{cp}) | - + 1 \} -$ (1) $-P \{ sign | (x - x_{cp}) (y - y_{cp}) \} = -1,$

Card 1/4

35195 s/535/61/000/139/007/009 E140/E435

On the investigation of ...

It can be shown that this is equivalent to

$$\xi_{XY} = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} \operatorname{sign}\left[(x - x_{cp})(y - y_{cp})\right] f(x, y) dx dy.$$

The basic properties of the parity (where cp = average).

coefficient $\mathbf{5}XY$ are the lollowing. If the quantities $(x-x_{cp})$ and $(y-y_{cp})$ are related by any odd unctional dependence, $\mathbf{5}XY = +1$ if the curve $(y-y_{cp}) = f(X-x_{cp})$ functional dependence, $\mathbf{5}XY = +1$ if the passes through the I and III quadrants and $\mathbf{5}XY = -1$ if the curve passes through the II and IV quadrants. 3. If the quantities $(x - x_{cp})$ and $(y - y_{cp})$ are related by an even functional dependence, XY = 0.

If the quantities X and Y are not related by a single valued function, if XY = +1 all points with coordinates $(x - x_{CP})$; valued function, if XY = +1 all points with coordinates $(x - x_{CP})$; $(y - y_{CP})$ fall in quadrants I and III. If XY = -1, they fall it quadrants Iquadrants II and IV.

For independent X and Y the probability that a point with Goordinate $(x - x_{cp})$; $(y - y_{cp})$ will appear in any given quadrant is identical, and therefore x_{cp} is identical. Card 2/4

s/535/61/000/139/001/009 E140/E435

On the investigation of ...

If $\mathbf{y}_{XY} = 0$, the random quantities X and Y are The parity coefficient and the correlation factor are related by a one-to-one relationship for a broad class of systems of random A simple interpretation of the parity coefficient is the probability that a point with coordinates $(x-x_{cp})$; $(y-y_{cp})$ will fall in quadrants I and III or II and IV. The parity coefficient can be easily extended to random processes. For a stationary ergodic process the parity function is the quantity

 $\xi_x(\tau) = \lim_{T \to \infty} \frac{1}{2T} \int_{-\tau}^{T} \operatorname{sign} \left[X_0(t) X_0(t + \tau) \right] dt,$

The mutual parity function can where $X_0(t) = X(t) - X_{cp}(t)$. also be defined

 $\xi_{xy}(\tau) = \lim_{T \to \infty} \frac{1}{2T} \int_{T}^{T} \operatorname{sign} \left[X_0(t) Y_0(t+\tau) \right] dt.$

Card 3/4

3.17.

On the investigation of ...

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An instrument for calculating the parity coefficient is indicated in Fig.4. Here **Oy** is a phase shifter, **N3** is a logical element and the final block is an integrator. There are figures and 2 Soviet-bloc references.

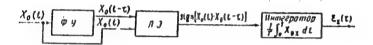


Fig.4.

Card 4/4

OTELAUYARTA, I. G.

Raschet laminarnogo pogranichnogo sloya na telakh vrashcheniya. Prikl. matem. i mekh., 6 (1942), 317-326.

So: Mathematics in the UTTR, 1917-1947 edited by Kurosh, A.G., Markushevich, M.I., Rashevskiy, P.K. Moscow-Leningrad, 1948

"APPROVED FOR RELEASE: 08/26/2000

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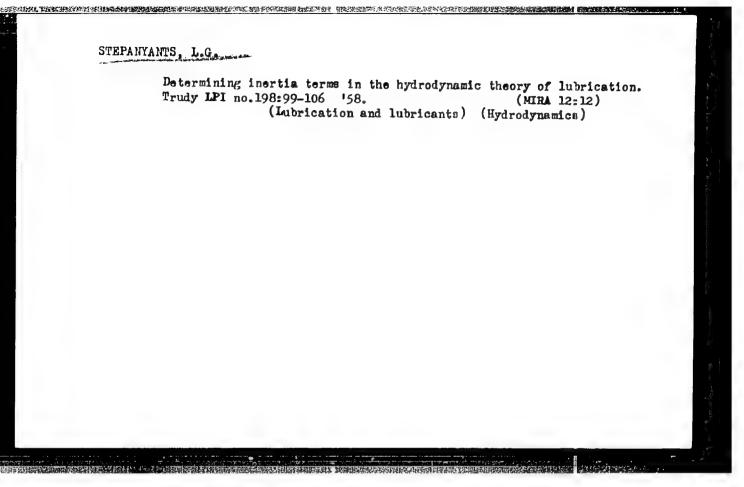
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	10(3,4) PHANE I BOOK EXPLOITATION 507/3193	ă.	Mesp. Md.: V.3. Smirnov, Doctor of Technical Sciences, Professor; Md. of this book: L.G. Loytsyanskiy, Doctor of Physical and Mathematical Sciences, Professor; Managing Ed. for Literature on the Design and Operation of Machinery [Leningrad Dyleston, Managia]: P.I. Petisov, Engineer; Tech. Ed.: R.G. Pol'skays.	FURNOSE: This book is intended for engineers working in the field of machine construction.	ticles contains the result theoretical and applied h rodynamics laboratory of t uts) by members of the dep	The state of the s	on the tabour of laminar- uid. The articles treats to bearings and suspensions, part of a pipe in the pre- under the setion of a cor- ing part belong to the fis	odynamics. One of the articles is a theoretical and study of flow around the parts of a radar anter as articles contains the remains of arredynamical acts models. The fourth part of the book contains about your aggertants on eatabilating new actions a measurements (Frictions forces on the surface and measurements of frictions forces on the surface and measurements of eatabilating new actions and measurements of frictions forces on the surface and measurements of the surface and measurements.	ferences accompany individual articles. L. M.P. Resorts of Mechanical Losses in the Bearings of turbine Models Existing methods of determining and eliminating fraction losses Determining mechanical losses by the check-out method Determining mechanical losses by the check-out method Determining mechanical interes by means of motor- Gonstruction of mean assention	Experimental analyses Conclusions TWO. HYDRODYNAMICAL PR	MAN STATE OF STANDARD	3. Suspension with one source 92 6. Computing the effect of the compressability of a gas on the operation of a suspension	n the	eter n of the unknown functions n of the donstants of inte		
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LOYTSYANSKIY, L.G.; STEPANYANTS, L.G.

Hydrodynamic theory of a suspended sphere. Trudy LPI no.198:89-98 (MIRA 12:12)

(Lubrication and lubricants)

(Hydrodynamics)



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S/563/61/000/217/008/012 D234/D308

AUTHOR:

Stepanyants, L. G.

TITLE:

Slow motion of a liquid near a deformed surface

SOURCE:

Leningrad. Politekhnicheskiy institut. Trudy. no. 217. 1961. Tekhnicheskaya gidromekhanika,

117-126

TEXT: The author considers the problem of forces which the liquid exerts on a plane surface having a deformation in the shape of semi-cylindrical projection or depression (the problem is of interest in hydrodynamical theory of lubrication). The assumptions are: (1) The liquid or gaseous medium is incompressible, tions are: (1) The liquid or gaseous medium is incompressible, and its motion is laminar and isothermal; (2) the characteristic and its motion is laminar and isothermal; terms in the Navier-Reynolds number is so small that inertial terms in the Projective stokes equations can be neglected; (3) the height of the projection is so small that the distribution of longitudinal velocities

Card 1/2

Slow motion of a....

S/563/61/000/217/008/012 D234/D308

in the medium can be assumed to obey a linear law at sufficiently large distances from the point of deformation. Bipolar coordinates are used. The solution of the basic equation is obtained in terms of hyperbolic functions. Formulas for the forces acting on the deformed part of the surface are derived. The total additional force of resistance for the deformed part is found to be the same for both the case of projection and depression. There are 4 figures.

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Card 2/2

S/563/61/000/217/010/012 D234/D308

AUTHORS:

Dushin, N. V., and Stepanyants, L. G.

TITLE:

Hydrodynamical design of a cylindrical suspension

SOURCE:

Leningrad. Politekhnicheskiy institut. Trudy. no. 217. 1961. Tekhnicheskaya gidromekhanika,

133-139

TEXT: The authors describe a method of design based on replacing the holes used for introducing the liquid or gas into the gap between the floating element and the casing by a system of point sources with given flow rates. A suspension with cylindrical floating element of finite length and a corresponding cylindrical casing is analyzed; it is assumed that the axis of the floating element remains parallel to the axis of the casing. There is 1 figure.

Card 1/1

ENT(d)/ENT(m)/EFF(c)/T Pr-4 IJP(c) DJ 63058--65

ACCESSION NR: AT5015704

UR/2563/65/000/248/0027/0034

AUTHOR: Stepanyants, L.G.; Zablotskiy, N.D.

TITLE: Some possible simplifications in the Reynolds equation for gas blanket lubrication

SOURCE: Leningrad, Politekhnicheskiy institut. Trudy, no. 248, 1965. Teklmicheskaya gidrogazodinamika (Technical gas hydrodynamics), 27-34

TOPIC TAGS: gas blanket lubrication, calculation program, flat bearing, Reynolds equation

ABSTRACT: 'The authors analyze the previously known accurate solution to the stated Reynolds equation, substitute a new variable S=ph to obtain the expression

$$hS\frac{dS}{dx} = \alpha S^2 + \beta S + C_1.$$

after a first

integration of the Reynolds equation (expressed in dimensionless magnitudes), and illustrate several attempts to linearize this expression. They first modify it by substituting a new function $\gamma=S^2$ to obtain

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ACCESSION NR: AT5015704

rewrite the latter expression to include the function f(x), related non-linearly to x, and approximate that function for the range $1 \le \mathscr{G} \le (1+dx)^2$ by the linear dependence

 $f(\psi) \simeq a_1 \psi + a_2.$

Verification indicates that the suggested calculation program provides acceptable results at high or low H numbers. Its accuracy depends only on the value of calculation of the fixed plate in the stated model), the error increasing with an increase in calculation of the has: 4 figures and 28 formulas.

ASSOCIATION: Leningradsky politekhnichesky institut imeni M. I. Kalinina (Leningrad Polytechnic Institute)

SUBMITTED: 00

ENCL: 00

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OTHER: 001

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ACCESSION NR: AT5015712

UR/2563/65/000/248/0088/0092

AUTHOR: Stepanyants, L.G.

TITLE: Calculation of profile drag at high gas velocities and in the presence of heat transfer

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 248, 1965. Tekhnicheskaya gidrogazodinamika (Technical gas hydrodynamics), 88-92

TOPIC TAGS: profile drag, high velocity gas, heat transfer, Squire Young approach

ABSTRACT: The author generalized the general drag force formula of Squire and Young to escape in some measure its limitations in calculating profile drag (i.e. very low M of the onrushing flow). He obtained the formula

obtained the formula
$$C_{xp} = 2 \frac{b_{\kappa}^{\infty}}{b} \frac{\rho_{e\kappa}}{\rho_{e\kappa}} \left(\frac{U_{\kappa}}{U_{\infty}} \right)^{\frac{5+H_{\kappa}}{2} + \frac{h-1}{2}M_{\infty}^2 + \frac{\overline{Q}_{\infty}}{C_{xp}}}.$$

to express profile drag in a gas flow involving heat transfer. Here, the magnitudes Pek and U_k are assigned (P_e and U are density and velocity of gas at the outside cdge of the boundary layer), while δ **, H_k and Q_w are calculated from data obtained for the

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ACCESSION NR: AT5015712

boundary layer on the surface of the profile (H_k is the ratio of displacement depth δ * to momentum loss depth δ ** at the profile's trailing edge;

$$\overline{Q}_{w} = \frac{Q_{w}}{c_{p}!_{w}U_{w}T_{w}b}$$

where Q_W is total transferred heat, while $P_{\rm o}$. $U_{\rm o}$ and $T_{\rm o}$ are density, velocity and temperature in the wake; b is the profile chord and $c_{\rm p}$ is the heat capacity of the gas at constant pressure). The profile drag factor $C_{\rm xp}$ can be calculated from the first formula above by successive approximation. Orig. art. has: 27 formulas.

ASSOCIATION: Leningradskiy politekhnicheskiy institut imeni M. I. Kalinina (Leningrad Polytechnic Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: ME, PR

NO REF SOV: 001

OTHER: 000

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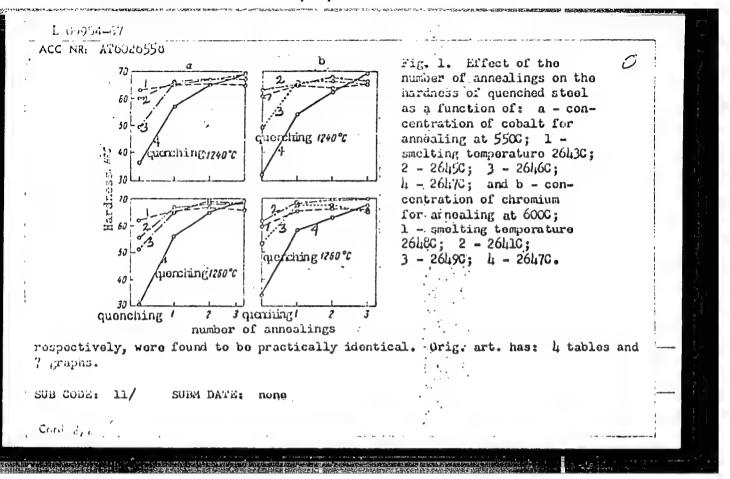
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1. Rekemendayana i afedeny zeologii i danyininga Mahayakaga

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ACC NO. A1000:6550 .(//) TI IJF(c) JD/FF/C	ode: Un/2776/66/000/	/oh6/0176/01v5
Marnoka: Ivanov, A. G.; Stepanyants, M. I.		3/
ÚRG: nono	• • • •	
TITLE: Development and investigation of heat-rosi	stant steels alloyed	with cobalt
ScouldE: Moscow. Tsentral'nyy nauchno-issledovatel Spornik trudov, no. 46, 1966. Spetsial'nyyo stali 176-105	skiy institut cherno i splavy (Special st	oy metallurgii.
TOPIC TAGS: alloy steel, high speed steel, steel RYKBO steel	1990	7 .
ABSTRACT: The effect of repeated quenchings and a vanadium, and tungsten to steels R9K25 and R9K30 o properties of the latter was investigated. A total	n the heat-resistance	o and modhanical
properties of the latter was investigated. A total fine chemical composition of the specimens is tabularo presented in graphs and tables (see Fig. 1).	ated, and the experi	mental results
annualing of the specimens at 6000 for a period of from 35 to 6770 HRC. The impact viscosity and w further improved by additional annualing at 7500 f	one hour increased orkability of the st or 2 hours, followed	their hardness eels may be by quenching
in water. The secondary and hot hardnesses of ste	ors coursimme Av au	

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133-1-3/16 Eline Vara IS

AUTHORS:

Troyanker, S. U. and Stepanyants, N. S.

TITLE:

A New Method of Making Pressure Sleeves. (Hovy) sposob izgotovleniya napornykh rukavov).

PERIODICAL: Kauchuk i Rezina, 1969, Nr. 1. pp. 50 - 31. (USSR).

ABSTRACT:

The big consumption of fabric and binding presents certain drawbacks in present day methods of manufacture; further disadvantages are the flaws in the sleeves due to faulty seams, indentations etc. In the new method of making pressure sleeves the sprayed chamber is lubricated internally with a solution of soap or glycerine, and subjected to pre-curing for ten minutes in a vessel or a continuous vulcanisator and placed on the cylinder. The surface of the chamber is covered with glue to increase adhesion. The chamber is then precured to form a protective rubber layer. The second method of making these sleeves only varies in the chamber not being pre-cured before lubrication. Advantages of the new method comprise a 100% increase in output, in a saving of binding fabric, improvement of the quality of the sleeves as no flavs, notches etc. occur, and elimination of powdery material (talcum). Pressure sleeves up to lengths of 2.5 m were made by this new

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138-1-9/16

A New Method of Making Pressure Sleeves.

method, and it was shown that: (1) the protective rubber layer can be substituted with rubber chambers of not less than 1 mm, having an internal diameter not exceeding 40 mm, (2) the spray chambers have to be protected on the moulds to prevent deformation and unequal expansion, (3) talcum can be used on the inner surface of the chamber and chalk, sine stearate, or lithopone. The pre-curing of the aprayed chamber is carried cut by introducing steam into the vessel during ten - fifteen minutes up to a pressure of 3 atms. The mixture 3408-la is vulcanised at a pressure of 3 atms for five minutes, mixtures 4691-27 for ten minutes. Steam is discharged until a pressure of 0 atms is reached (for ten - fifteen minutes). It is recommended to use for these chambers 4681-la (based or "Marit") and glue 4-H and 109 in a concentrytion of 1:4 to 1:6. The protective rubber layer is deposited with the aid of air which has been heated uncer pressure.

Card 2/2

ASSOCIATION: Mostow Plans "Rubber". (Moskovskiy zavod "Kauchuk").

AVAILABLE: Library of Congress.

STEPANYANTO, S.A., inzh.; ISHCHUK, Yu I., inzh.

New consistent lubricant for vevyer bridges; "OH" lubricant VTC
TSMZ-5 No. C1-60. Nauch.zap.Uk-niiproekta no.4:173-174 '61.

(Lubrication and lubricants)

ISHCHUK, Yu.L.; STEPANYANTS, S.A.; ISHCHUK, L.P.

Lubricating grease for conveying and dumping bridges (the lubricant "OM" VTU TSMZ-5 No.01-60). Trudy BONMZ no.1:50-53 163. (MIRA 16:6)

(Lubrication and lubricants)